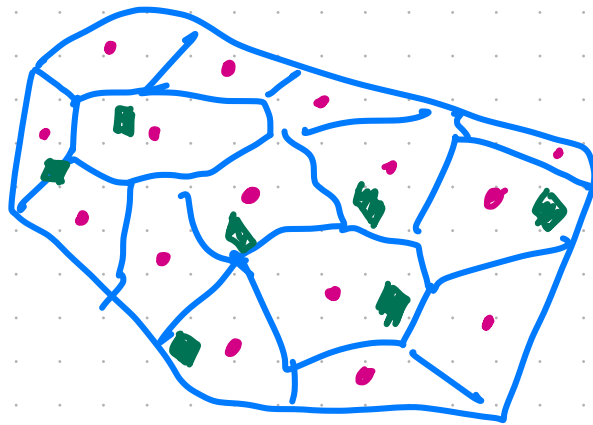


Math 497
Spring 2026

2/4/26

- Paper by Oneil & Tymochko
 - ↳ cooling centers coverage during heat waves



county > neighborhoods

cooling centers

Are cooling centers distributed "well"?

- Applying this idea to fire prevention/protection resources
 - in LA county
 - ↳ previous students looked at fire station locations and centroids of tracts

Unanswered Questions

- Can we weight the fire stations by #resources (personnel, trucks, etc)?
- Introduce demographic data to look at equitable distribution
- Look at accessibility of evacuation routes → traffic congestion
- Look into other fire-prone areas/countries
- Data on weather conditions
 - ↳ humidity, wind, heat, etc.
 - ↳ parameter exploration to help w/prediction
 - ↳ vulnerability index

Goals for this week:

- Read cooling centers paper
- EDA